



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁷ :

H04L 29/06, 12/56

A1

(11) International Publication Number:

WO 00/64120

(43) International Publication Date:

26 October 2000 (26.10.00)

(21) International Application Number: PCT/GB00/00827

(22) International Filing Date: 7 March 2000 (07.03.00)

(30) Priority Data:

99303041.0

20 April 1999 (20.04.99)

EP

(71) Applicant (for all designated States except US): LUCENT TECHNOLOGIES INC. [US/US]; 600 Mountain Avenue, Murray Hill, NJ 07974-0636 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CHEN, Xiaobao [CN/GB]; 33 Goldsborough Close, Eastleaze, Swindon, Wilts SN5 7EP (GB).

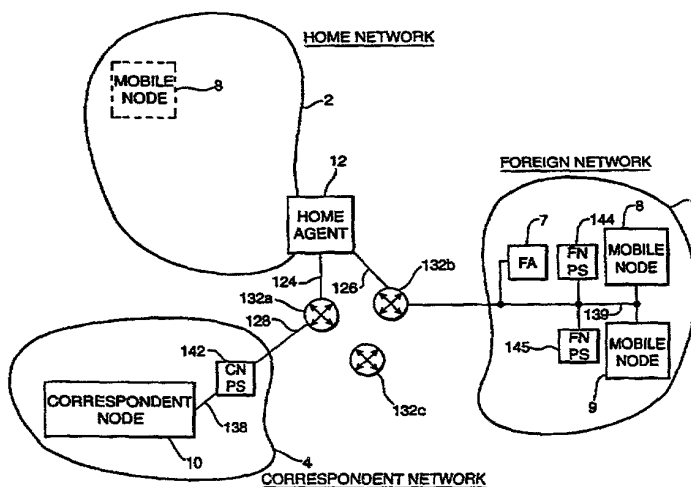
(74) Agents: WILLIAMS, David, J. et al.; Lucent Technologies UK Limited, 5 Mornington Road, Woodford Green, Essex IG8 0TU (GB).

(81) Designated States: AU, BR, CA, CN, ID, IN, JP, KP, KR, US.

Published

With international search report.

(54) Title: MOBILE IP SUPPORTING QUALITY OF SERVICE FOR FOREIGN NETWORK WITH FOREIGN AGENT AND PLURALITY OF MOBILE NODES



(57) Abstract

There is disclosed a method of establishing an IP quality of service session between a correspondent node and mobile node. The mobile node has a home address in a home network and is temporarily connectable in a foreign network having a foreign agent. IP packets are directed to the mobile node from the correspondent node via the home network. The quality of service session is maintained in dependence on flow identification information in the IP packets. The method comprises: determining whether the flow identification information of a quality of service session to be configured matches the flow identification information of an existing quality of service session; and responsive to a match, allocating temporary flow identification information to the quality of service session to be configured. A mobile IP environment in which such a method may be utilised is also disclosed.